

KHAMRAEYEV, I.Kh.; KURAMYSHEIN, P.V.; RAKHMATULLAYEV, Kh.R.; RUZMATOV, S.R.

Geological and geochemical correlation of pyrite manifestations  
in the central Kyzyl Kum with some pyrite deposits in the Southern  
Urals. Uzb. geol. zhur. 8 no.4:19-29 '64. (MIRA 18:5)

1. Institut geologii i geofiziki imeni Abdullayeva AN UzSSR.

ISADZHANOVA, Kh.K.; RAKHMATULLAYEV, Kh.R., red.

[How to drive through Tashkent; transportation timetables  
for Tashkent area for 1959-1960] Kak proekhat' po Tashkentu;  
raspisanie dvizheniia transporta po gorodu Tashkentu i po  
mezhdugorodnim soobshcheniim na 1959-1960 god. Tashkent,  
Reklamno-spravocnaia kontora Tashgorispolkoma. n.d. 61 p.  
(MIRA 16:5)

(Tashkent--City traffic) (Tashkent--Timetables)

RAKHMATULLAYEV, Kh.R.

Romeite from the central Kyzyl Kum. Uzb.geol.zhur. 6  
no.3:81-83 '62. (MIRA 15:6)

1. Institut geologii AN UzSSR.  
(Kyzyl Kum--Romeite)

NAZAROV, Z.F.; GULYAMOVA, M.; ARSLANOVA, S.S.; RAKHMATULLAYEV, M.

Content of vitamin C and carotene in vegetable food products  
of Bukhara Province. Uzb. biol. zhur. 7 no.5:25-28 '63.  
(MIRA 18:11)

1. Institut krayevoy eksperimental'noy meditsiny AN UzSSR.

KHAMRABAYEV, I.Kh., doktor geol.-miner. nauk; RAZZHAYEV, F.Sh.;  
GGR'KOVY, O.P.; SALOV, P.I.; KOZYREV, V.V.; PETROV, V.K.;  
USMANOV, F.A.; ISAMUKHAMEDOV, I.M., doktor geol.-min. nauk;  
KUSTARNIKOVA, A.A.; BORISOV, O.M.; RAKHMATULLAYEV, Kh.R.;  
MUSAYEV, A.M.; SVIRIDENKO, A.F.; SULTAN-UZ-DAG; GOLOVIN,  
Ye.M., kand. geol.-miner. nauk; VIS'NEVSKIY, Ya.S., kand.  
geol.-miner. nauk, red.; NURATDINOVA, M.R., red.; ASTAKHOV,  
A.N., red.

[Petrography of Uzbekistan] Petrografiia Uzbekistana.  
Tashkent, Izd-vo "Nauka" UzSSR. Book 1. 1964. 445 p.  
(MIRA 18:1)

1. Akademiya nauk Uzbekskoy SSSR, Tashkent. Institut geologii  
i geofiziki.

RAKHMATULLAYEV, Kh.R.; RUZMATOV, S.R.; MUKHTAROVA, N.N.; KAYUMOV, A.V.

Todorokite from the central Kyzyl Kum. Uzb. geol. zhur. 7 no.6:  
96-99 '63. (MIRA 17:8)

1. Institut geologii im. Kh.M. Abdullayeva AN UzSSR.

RAKHMATUBLAYEV, Kh. R.

Cand Geol-Min Sci - (diss) "Low-temperature post-magmatic formations of the Central Kyzylkums (mountains of Bukan-Tau, Kokpatas, etc.) and their ore content." Tashkent, 1961. 16 pp; 1 page of tables; (Academy of Sciences Uzbek SSR, Inst of Geology); 250 copies; price not given; (KL, 6-61 sup, 204)

RAKHMA DULLAYEV, Kh.R.

Some characteristics of the localization of gold ore minerali-  
zation in Kokpatas Mount. Uzb. geol. zhur. 8 no.1:13-18 '64.

(MIRA 18:5)

1. Institut geologii i geofiziki im. Kh.M. Abdullayeva AN UzSSR.

KHANGARAYEV, I. G. / KH. M. ABDULLEYEV, KH. M. KADYROV, A. S. /

Gold potential of the southern part of the Temdyrta. Vest. geol.  
zhur. 9 no. 1:13-19. '65. (MIRA 18:5)

I. Institut geologii i geofiziki im. Kh. M. Abdullayeva AN BSSR.

RAKIMATULLAYEV, S.R.; SELIKHOVICH, V.A.; KATSULAS, R. Y.

Resources in action. Zashch. rast. ot vred. i bol. 9 no.10:  
9-11 '64 (CHINA 1811)

1. Protsedatel' kolektsiya izral Akhmedbayeva, Kalininskiy  
rayon, Toshkentskoy oblasti (for Rakhmatullayev). 2. Spetsial-  
listy uzbekey karantinnoy inspeksii (for Selikhovich,  
Katsulas).

PARHOMOVICH, M.A.

Some mechanisms of disorders in the activity of skeletal muscles  
in serum allergy. Nauch. trudy Kaz. gos. med. inst. 14:271-272  
164. (MIRA 18:9)

1. Kafedra patologicheskoy fiziologii (nav. - prof. M.A.  
Yerzin) Kazanskogo meditsinskogo instituta.

L 13568-66 EWP(e)/EWT(m)/EWP(t)/EWP(k)/EWP(z)/EWP(b) IJP(e) JD

ACC NR: AP6002588

SOURCE CODE: UR/0286/65/000/023/0081/0081

INVENTOR: Kuznetsov, S. I.; Fokin, V. V.; Rakhmatullin, R. M.

ORG: none

TITLE: Method of producing aluminum powder. Class 49, No. 176790

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 81

TOPIC TAGS: aluminum, aluminum powder

ABSTRACT: This Author Certificate introduces a method for the production of aluminum powder. To simplify the technological process, the aluminum is first dispersed in melted sodium hydroxide at 660-680C and, after cooling, the alkali is washed off the aluminum powder with an organic solvent such as alcohol. [AZ]

SUB CODE: 11/ SUBM DATE: 09Feb63/ ATD PRESS: 4/85

Card 2/1 HW

UDC: 621.762.224:669.71

42  
B

SHAROV, G.M.; SHAROV, A.P.; APANOVICH, YA.G.; TOVA, D.V.;  
KOROV, G.G.; AKHMETIYEV, G.G.

Using fishing instruments for metal in the Ural Sea and Ural  
Prospecting Trust. Bureau no. 4-7 '64. (KIRA 1A-5)

1. Trust "Ural'sant'ognezvedka" i avial'orskiye okredel'eniya  
glubokogo buraniya.

RAKIMATULLIN, Z.Kh.

Report on the work of the Samarkand Branch of the Scientific Society  
of Anatomists, Histologists and Embryologists. Arkh. anat., gist. 1  
embr. 49 no.7:123-124 JI '65. (MIRA 18:10)

MAKHMUTULIN, VIKTOR, prof. dr. TILIKHAYEV, A. I. (Moscow)

Reactive properties of the nervous elements of irritated human muscles in typhoid fever. Nauch. study SamMI 21-79.82 1962.

(MIRA 17:5)

1. Iz kafedry gistologii Samarkanskogo meditsinskogo instituta Irena Tsylova.

RAKHMATULLIN, I.M. (Kazan')

On the effect of diphtheria bacillary toxin on the activity of the neuromuscular apparatus; on the pathogenesis of peripheral paralysis in diphtheria. Arkh.pat. 22 no.5:22-25 '60.

(MIRA 13:9)

1. Iz patologicheskoy fiziologii (zav. - doktor meditsinskikh nauk M.A. Yerzin) Kazanskogo gosudarstvennogo meditsinskogo instituta.

(PARALYSIS) (DIPHTHERIA)

(TOXINS AND ANTITOXINS)

USSR / Human and Animal Physiology. Nervous System.

T-10

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3812

Author : Rakhmatullin, I. M.

Inst : Not given

Title : Spinal Cord Reflex Activity in Stimulation by an Antigen of the Various Segments of the Central Nervous System

Orig Pub : Arkhiv patologii, 1957, 19, No 11, 62-69

Abstract : An antigen (0.5 ml for 3 days) was introduced into the spinal lymphatic sac of frogs sensitized by normal horse serum, as well as into controls. After a 3 - 4 week period of sensitization, the forebrain was removed, and the reflex time determined by the method of Tyurk prior to the administration of the antigen, as well as one, six and eleven minutes after the administration. In the sensitized frogs the antigen induced shortening, in the

Card 1/2

RAKHMATULLIN, I.M.

Mechanism of the allergic reaction of skeletal muscle. *Biul. eksp. biol. i med.* 54 no.12:42-46 D'62. (MIRA 16:6)

1. Iz kafedry patologicheskoy fiziologii (zav. - prof. M.A. Yerzin) Kazanskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR A.V. Iebedinskim.  
(ANAPHYLAXIS) (MUSCLES) (DIPLACIN)

YERZIN, M.A.; RAKHMATULLIN, I.M. (Kazan')

"Kinetosis", a practical study in pathophysiology. Pat.fizio. i  
eksp.terap. 2 no.6:52 N-D '58. (MIRA 12:1)

1. Iz kafedry patologicheskoy fiziologii (zav. - dots. M.A. Yerzin)  
Kazanskogo meditsinskogo instituta.  
(MOTION SICKNESS)

RAKHMATULLIN, I.M.

Effect of cortisone on the lability of the nerve-muscle apparatus.  
Farm. i toks. 21 no.4:77-78 J1-Ag '58 (MIRA 11:11)

1. Kafedra patologicheskoy fiziologii (zav. doktor med.nauk  
dots. M.A. Yerzin) Kaznaskogo gosudarstvennogo meditsinskogo  
instituta.

(NERVE MUSCLE PREPARATION, effect of drugs on,  
cortisone (Rus))

(CORTISONE, effects,  
on nerve-musc. prep. (Rus))

RAKHMATULLIN, I. M.

"The Mechanism of the Action of Antigen Serums on the Central Nervous System."  
Cand Med Sci, Kazan' State Medical Inst, Kazan', 1953. (RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

RAKHMATULLIN, Kh.A., doktor fiz.-matem. nauk, red.; SEMENOV, S.S.,  
red.; FRIDMAN, V.Ya., red.; POPEKOVA, Ye.S., tekhn.  
red.

[Shock tubes] Udarnye trubyy; sbornik statei. Moskva, Izd-  
vo inostr. lit-ry, 1962. 699 p. (MIRA 16:9)  
(Shock tubes)

SOV/124 58 2 1767

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 39 (USSR)

AUTHOR: Rakhmatullin, Kh. A.

TITLE: Contribution to the Theory of the Pneumatic Cotton-picking Machine  
(K teorii pnevmaticheskoy khlopkouborochnoy mashiny)

PERIODICAL: Izv. AN UzSSR. Ser. tekhn. n., 1957, Nr 1, pp 41-52

ABSTRACT: A proposal of a suction-injection type pneumatic cotton-picking and drying machine (SIPCP&DM) which appears to be a further improvement of the injection-type machine of M. I. Ismailov. The author points to the advantages of the SIPCP&DM as compared with existing machines (100-150% greater efficiency, simplicity of manufacture and operation, reduction of installed power, ability of picking cotton in the presence of leaves). A characterization is given of the scientific and engineering problems relating to the applied aerodynamics involved in the realization of a machine of the above-mentioned type. Considerations are adduced on the most suitable direction of investigations, and the results of the author's theoretical investigations are set forth. Inasmuch as a branch must be blown through twice in different directions, it becomes necessary to determine experimentally the ratio of the

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SOV/124-58-2 1767

Contribution to the Theory of the Pneumatic Cotton-picking Machine

velocities in the first and second cycles of the passage of the branch. The expediency of utilizing a flow with a nonuniform velocity field is shown by means of calculations, and considerations are adduced on various design arrangements for the development of a flow that is strongly pulsating both in speed and in direction, wherein a pulsation frequency of the order of 100 cps is indispensable. The author points to the advisability of employing an elevationwise varying distance between the exhaust and intake valves, depending on the shape of the cotton branch. The theory of the pulsator is examined in detail. It is shown, by means of calculations, that by using the heat energy of the heated air one may make use of the suction-injection machine for the purpose not only of cotton picking but also of drying. A theoretical study is made of the possible use of a pneumatic-centrifugal separator for the separation of the cotton from the jet, and formulas are supplied to afford a selection of rational dimensions of such a separator. Summing up all of the results presented, the author arrives at the conclusion that it would be expedient to undertake without delay the development of an SIPCP&DM and to carry on a parallel crash program of theoretical and experimental work along the lines enumerated in the paper.

A. I. Bunimovich

Card 2/2

RAKHMANULIN, K. Z.

"Rectifying Set of the Type URW ST-1," Zhur. Tekh. Fiz., 14, Nos. 7-8, 1944. Mbr.,  
Plant "Stormy Petrel", Leningrad, -1941-.

1. RAVINATULIN, M. G.
2. (33R (600)
4. Lumbering
7. Experience gained with new types of lake rafts. Les. prom. 13 no. 1 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

RODIONOV, Viktor Ivanovich; RAKHMATULLIN, Mennan Garifzyanovich; PIMENOV,  
A.N., redaktor; OSOINA, A.M., redaktor redakti'stva; KARASIK, N.P.,  
tekhnicheskiy redaktor

[Floating tree-length logs in the Volga-Kama Basin] Splav khlystov  
v Volzhsko-Kamskom basseine. Moskva, Goslesbumizdat, 1957. 57 p.  
(MIRA 10:8)

(Volga River--Lumber--Transportation)  
(Kama River--Lumber--Transportation)

MAKHOV, N. A.

"Influence of the Nervous System on the Process of Agglutinin Elaboration."  
Samarkand State Med Inst imeni Academician I.P. Pavlov, Chair of Microbiology,  
Samarkand, 1954.  
(Dissertation for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

RAKHMATULLIN, R.N.

Perforation of the gall bladder through the anterior abdominal  
wall. Vest.khir. 79 no.8:119 Ag '57. (MIRA 10:10)

1. Iz Usalinskoy uchastkovoy bol'nitsy (gl.vrach - R.N.Rakhmatullin)  
Kzyl-Yulduzskogo rayona TASSR. Adres avtora: Kzyl-Yulduzskiy rayon  
TASSR, Usalinskaya bol'nitsa.  
(GALL BLADDER--SURGERY) (FISTULA)

RAKHMATULLIN, S. (Birsk); VATLETSOV, V. (Kirov); PAVLOV, A. (Moskva);  
RYAZANOV, A. (Sverdlovsk); PARAMONOV, N. (Maykop)

In local organizations of our patriotic society. Za rul.  
19 no.10:3 0 '61. (MIRA 14:11)  
(Motor vehicles—Societies, etc.)

BARGHENKOV, A.V., dotsent; KOBISHCHANOV, M.A., dotsent; RAKHMETULLIN, Ye.R.,  
aspirant

Problems in the economics of the mining industry. Title Page.  
Possibilities for lowering the cost of mining ore in the mines  
of the Kursk Magnetic Anomaly Combine. Nauch. trudy MGI no.43:  
3-11 '62. (MIRA 16:9)  
(Kursk Magnetic Anomaly—Mining engineering—costs)

RAKHMETULLIN, Te.R., aspirant

Ways of improving the organization of production and labor in mines  
of the Kursk Magnetic Anomaly Combine. Nauch. trudy IGI no.43:19-36  
162. (MIRA 16:9)

(Kursk magnetic anomaly—Mine management)

RAKHMATULLIN, Z.Kh.

Murodulla Nurmatovich Khalkuziev; on his 60th birthday. Arkh.  
anat.gist.i embr. 38 no.4:126 Ap '60. (MIRA 14:5)  
(KHALKUZIEV, MURODULLA NURMATOVICH, 1899-)

ANODIN, P.S.; RAKHMATULLINA, D.A., red.; SHARAFUTDINOVA, M.Z., tekhn.red.

[Spring wheat] Iarovaia pshenitsa. Izd. 2-oe, serer. 1 dop.  
Kazan', Tatkingoizdat, 1954. 70 p. (MIRA 11:6)  
(Wheat)

TAJANOV, V. V.; GUREVICH, P. S.; NAKHATULLINA, F. B.

Case of polyglandular adenomatosis of the endocrine system.  
Probl. endok. i gorm. II no. 5:53-55. N. D. 1964. (MIRA 18:12)

1. Kafedra gospiatal'noy terapii No. (inv. - prof. E. I. Mayanskaya)  
i kafedra patologicheskoy anatomii (inv. - prof. G. G. Vasyukhin)  
Kazanskogo meditsinskogo instituta

RAKHMATULLINA, G.I., zasluzhennyy vrach Tatarskoy ASSR.

Observations of a rural obstetrician and gynecologist.

Kaz. med. zhur. no.1:71. Ja-F '63. (MIRA 16:8)

(ARSK DISTRICT--OBSTETRICS)

BAKHMATULLINA, B.F.

One application of solubility conditions of Chaplygin's problem to the boundedness and stability of solutions of differential equations. *Izv.vys.ucheb.zav.: mat. no.2:* 198-201 '59. (MIRA 12:5)

1. Udmurtskiy gosudarstvennyy pedagogicheskiy institut.  
(Differential equations)

RAKHMATULLINA, L.F. (Izhevsk)

Stability of the solution of the nonlinear equation of heat  
conduction. Prikl. mat. i mekh. 25 no.3:591-592 My-Je '61.  
(MIRA 14:7)

1. Udmurtskiy gosudarstvennyy pedagogicheskiy institut.  
(Differential equations, Partial) (Heat--Conduction)

16(1)  
AUTHOR:

Rakhmatullina, L.F.

301/140-59-2-20/50

TITLE:

On an Application of the Conditions of Solvability of the Chaplygin Problem to the Questions of the Boundedness and Stability of Solutions of Differential Equations (Ob odnom primeneni usloviy razreshimosti zadachi Chaplygina k voprosam ogranichennosti i ustoychivosti resheniy differentsial'nykh uravneniy)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Matematika 1959. Nr 2. pp 198-201 (USSR)

ABSTRACT:

Let  $z(t)$  be the solution of

$$(1) \frac{dz}{dt} = A(t)z + F(t, z), \quad t \in [0, \infty)$$

satisfying the initial condition  $z(0) = z_0$ ; let  $y(t)$  be a solution of

$$(2) \frac{dy}{dt} = A(t)y, \quad y(0) = y_0$$

Let  $\varphi(t)$  and  $K(t, s)$  be positive functions,  $\varphi(t) > \|y(t)\|$ ,  $K(t, s) \geq \|Y(t)Y^{-1}(s)\|$ , where  $Y(t)$  is the fundamental matrix of

(2),  $Y(0) = E$ . Let  $g(t; y)$  be a non-decreasing function.

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On an Application of the Conditions of Solvability of the Chaplygin Problem to the Questions of the Boundedness and Stability of Solutions of Differential Equations

Theorem: Let  $f(t,u)$  be defined for  $t \in [0, \infty)$  and all  $u$ ,  $\|f(t,u)\| \leq g(t, \|u\|)$ . If the integral equation

$$x(t) = \int_0^t K(t,s)g(s,x(s))ds + \varphi(t)$$

has a solution  $x = \varphi(t)$ , bounded in  $[0, \infty)$ , then  $\varphi(t)$  is bounded. Theorem: Let  $f(t,u)$  be defined in  $0 \leq t < \infty$ ,  $\|u\| \leq N < \infty$ ,  $f(t,0) \equiv 0$  for sufficiently small  $\|u\|$ . Let  $\|f(t,u)\| \leq g(t, \|u\|)$ , where  $g(t,y)$  is a function non-decreasing in  $y$ ,  $g(t,0) \equiv 0$ . Then from the stability of the solution  $y=0$  of (2) and the stability (asymptotic stability respectively) of the solution  $x \equiv 0$  of (3)

$= \int_0^t K(t,s)g(s,x(s))ds + \varphi(t)$  there follows the stability

On an Application of the Conditions of Solvability of the Chaplygin Problem to the Questions of the Boundedness and Stability of Solutions of Differential Equations

307/126-59-2-20/76

(asymptotic stability respectively) of the solution  $z = 0$  of (1).  
The author thanks N.V. Arbelev and E.B. Tsalyuk for giving the theme. He mentions Chaplygin and Lyapunov.  
There are 4 Soviet references.

ASSOCIATION: Udmurtskiy gosudarstvennyy pedagogicheskiy institut (Udmurt State Pedagogical Institute)

SUBMITTED: March 29, 1958

Card 3/3

16(1)

AUTHORS: Azbelev, N.V., Rakhmatullina, L.P., and Tsalyuk, Z.B. SOV/155-58-2-1/47

TITLE: On the Extension of the Solution of the Problem of Chaplygin Beyond the Limits of Application of the Theorem on Differential Equations (O rasprostraneni resheniya zadachi Chaplygina za granitsu primenimosti teoremy o differentsialnykh neravenstvakh)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki, 1958, Nr 2, pp 3-5 (USSR)

ABSTRACT: If on the interval  $[a, b]$  a linear differential equation is given and if  $y$  is a solution satisfying the Cauchy initial conditions in the point  $a$ , then the difference  $z-y$ , where  $z$  is the comparison function of Chaplygin, in general is of constant sign only on  $[a, c] \subset [a, b]$ . The authors use the results of Azbelev [Ref 3, 5] and Tsalyuk [Ref 4] and establish conditions under which  $[a, c] \equiv [a, b]$ . A similar result is obtained for systems of differential equations. There are 9 references, 7 of which are Soviet, 1 Polish, and 1 Hungarian.

ASSOCIATION: Izhevskiy mekhanicheskiy institut (Izhevsk Institute of Mechanics)

SUBMITTED: December 13, 1957

Card 1/1

KUZNETS, M.M., prof. [deceased]; BOGDANOVICH, S.N., dotsent; LEVKOVSKIY, N.M.,  
kand. med. nauk; SEMENOVA, V.N.; GLUKHEN'KIY, B.T.; FUKI, M.M.; OSADCHIY,  
Ye.D.; BARABASH, M.Ye.; VIL'CHINSKIY, S.P.; VITER, I.S.; VOROBEYS, I.P.;  
GRABOVSKAYA, R.A.; RAKHMATULLINA, M.G.; SALOVA, G.V.

Treatment of lupus eruthermatosus with phtivazid. Vrach. delo no.4:  
373-378 Ap '59. (MIRA 12:7)

1. Kiyevskiy meditsinskiy institut.  
(LUPUS)(ISONICOTINIC ACID)

BAKHMATULLINA, N.K.

Duck coccidiosis in Kazakhstan. Izv. AN Kazakh. SSR. Ser.  
biol. nauk 3 no.6:47-52 N-D '65. (MIRA 18:12)

MAKIMATULLINA, S.S., assistant

Urgent tasks for school pediatricians in connection with the law on  
further development of the system of popular education in the U.S.S.R.  
Med. zhur. Uzb. no.2:48-51 F '60. (MIRA 15:2)

1. Iz kafedry gigiyeny detey i podrostkov (zav. - prof. V.P.Shirokova-  
Divayeva) Tashkentskogo gosudarstvennogo meditsinskogo instituta.  
(SCHOOL HYGIENE)

RAKHMATULLINA, S.S.

Influence of the hardening of the body on health, physical development, and the incidence of disease among children in kindergartens.  
Med. zhur. Uzb. no.8:19-21 Ag '60. (MIRA 13:9)

1. Iz kafedry gigiyeny detey i podrostkov (zav. - prof. V.P. Shirokova-Divayeva) Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(TASHKENT—PHYSICAL EDUCATION FOR CHILDREN)

26749  
S/040/61/025/003/026/026  
D208/D304

24.5200

AUTHOR: Rakhmatulluna, L.F. (Izhevsk)

TITLE: On the stability of solving the non-linear equation of heat conductivity

PERIODICAL: Akademiya nauk SSSR. Otdeleniye tekhnicheskikh nauk. Prikladnaya matematika i mekhanika, v. 25, no. 3, 1961, 591 - 592

TEXT: This is a continuation of the work by B.A. Kostandyan (Ref. 1: Ob ustoychivosti resheniya nelineynogo uravneniya teploprovodnosti PMM 1960, vol. XXIV, ed. 6). The equation considered here is more general than that of (Ref. 1: Op.cit.). Let  $G$  = bounded region of space  $R^m(x_1 \dots x_m)$  and  $\Gamma$  = its boundary. The problem considered is

$$\frac{\partial u}{\partial t} = Lu + f(t, x, u), \quad (t, x) \in [0, \infty) \times G, u|_{\Gamma} = 0, u(0, x) = \varphi(x) \quad (1)$$

where

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$$Lu = \sum_{i,k=1}^m \frac{\partial}{\partial x_i} \left( a_{ik}(x) \frac{\partial u}{\partial x_k} \right) + \sum_{i=1}^m b_i(x) \frac{\partial u}{\partial x_i} + c(x)u$$

26769  
S/040/61/025/003/026/026  
D208/D304

On the stability of solving ...

is such an operator elliptical in G, that for  $\lambda > 0$ ,

$$\int_G u \cdot Lu dx < -\lambda \int_G u^2 dx, \quad u|_{\Gamma} = 0 \tag{2}$$

It is shown that (1) can be expressed in the integral form as

$$u(t, x) = T(t) \varphi(x) + \int_0^t T(t-s) f(s, x, u(s, x)) ds \tag{3}$$

where T(t) is the operator defined by  $u(t, x) = T(t) \varphi(x)$  and whose norm is

$$\|T(t) \varphi\|^2 < \|\varphi\|^2 e^{-2\lambda t} \tag{4}$$
$$\|T(t)\| < e^{-\lambda t}$$

Theorem: Let for  $\|u\| \leq \gamma$  and  $t \geq 0$

$$\|f(t, x, u)\| < k \|u\| + \psi(t) \|u\|^{1+\alpha} \quad \alpha > 0, \quad \langle k \rangle \lambda, \quad \int_0^{\infty} e^{-2(k-\lambda)t} \psi(t) dt < \infty \tag{5}$$

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S/040/61/025/003/026/026  
D208/D304

On the stability of solving ...

Then for any positive  $\epsilon < \gamma$  where

$$\|v\| < \delta = \left[ e^{-\alpha} + \alpha \int_0^{\infty} e^{-\alpha(k-\lambda)t} r(t) dt \right]^{-1/\alpha} \quad (6)$$

The solution  $u(t, x)$  of (1) satisfies the inequality

$$\|u(t, x)\| < \epsilon e^{(k-\lambda)t} \quad (t \geq 0) \quad (7)$$

i.e. a trivial solution of (1) (for  $\varphi \equiv 0$ ) is asymptotically stable. The theorem is proved by comparing  $u(t, x)$  with the equation of the Bernoulli type and reductio ad absurdum. It is noted that the theorem can also be proved for the case, when coefficients of (1),  $\lambda$  in (2) and  $k$  in (5) are dependent on  $t$ , if the following substitution is made

$$(k - \lambda)t \text{ na } \int_0^t [k(s) - \lambda(s)] ds$$

There are 5 Soviet-bloc references.

Card 3/4

On the stability of solving ...

26749

S/040/61/025/003/026/026  
D208/D304

ASSOCIATION: Udmurtskiy gosudarstvennyy pedgogicheskiy institut  
(Udmursk State Pedagogic Institute) ✓

SUBMITTED: February 9, 1961

Card 4/4

MAVLYANOV, G.A.; KENESARIN, N.A.; TULYAGANOV, Kh.T.; BADER, B.A.; SULTANKHOD-  
ZHAYEV, A.N.; KHASANOV, A.S.; RAYHMATULLINA, R.Sh.

Oktavii Konstantinovich Lange; on his 80th birthday and the 55th anni-  
versary of his scientific and teaching activities. Uzb.geol.zhur. 7 no.  
2:5-8 '63. (MIRA 17:2)

MOKEYEVA, R.A.; MUTBERG, R.A.; CHEPNYAK, V.Ya.; MALLER, A.R.; PAPUSH, N.D.;  
SOBOLEVA, Yu.G.; RAKHMAYEVA, V.A.; KHUTSISHVILI, G.E.

Use of plasmapheresis in macroglobulinemic reticulosis; Waldenström's  
disease. Probl. gemat. i perel. krovi 9 no.12:33-40 D '64  
(MIRA 18:1)

1. Gematologicheskaya klinika (zav. - prof. M.S. Dul'tsin) i labo-  
ratoriya fraktsionirovaniya belkov (zav. - prof. G. Ya. Rozenberg)  
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya  
krovi (direktor - dotsent A. Ye. Kiselev), Moskva.

KISHINEV, A. Ye, dotent; RYBKOVA, B.A.; SALLER, A.S.; SHENKOV, A.I.; RYBKOVA,  
E.D.; URINSKI, R.M.; LAVROVA, O.P.; MANDRYKINA, I.A.

Plasmapheresis as a way of increasing the resources of donor  
plasma. Probl. genet. i perel krovi, no.12:3-8, 1964  
(MIRA 1964)

I. Tsentral'nyy ordena Lenina institut gsmatologii i perelivaniy  
krovi (direktor - dotent A. Ye. Kiselev) Ministerstva zdravookhva-  
naniya SSSR, Moskva.

RAKHMEDOV, CH. R. Doc Cand Vet Sci -- (diss) "Use of <sup>some</sup> ~~some~~  
vitamins in combination with chemotherapy of theileriasis of  
cattle." Ashkhabad, 1957. 15 pp 22 cm. (Academy of Sciences  
Turkmen SSR. Dept of Biological and Agricultural Sciences),  
120 copies  
(AL, 21-52, 106)

-85-

USSR / Diseases in Animals. Diseases Caused by Protozoa R

Abs Jour: Ref Zhur-Biologiya, No 16, 1958, 74222

Author : Rakhmedov, Ch. R.; Khudaynazarova, S.

Inst : Turkmenian Agricultural Institute

Title : Changes of Red Blood During Milk and Severe Forms  
of Theileriasis in Cattle

Orig Pub: Tr. Turkm. s.-kh. in-ta, 1957, 9, 297-306

Abstract: No abstract

Card 1/1

RAKHMEDOV, U.

Quartz-fluorite mineralization in the Chatkal-Kurama region.  
Vop. geol. Uzb. no.3:61-70 '62. (MIRA 16:6)

(Chatkal Range--Ore deposits)  
(Kurama Range--Ore deposits)

YEMELI, E.A., ZENTAL, A.G. AND SPANCHIL, G.M.

"Clinical Features of Sepsis in Children."

[Klin. Med., Mosk.] 2, No. 6, 17-26, June, 1945.

This article is based on observations of 45 cases of neonatal and infantile sepsis, of toxemia due to localized infections, 20 cases of septicaemia, and 10 cases of pyaemia. Of the 20 cases of septicaemia 13 were due to umbilical sepsis, while in the remaining 7 the source of infection was not discovered. Of the 10 cases of pyaemia 4 were due to umbilical sepsis and 2 to skin infection, in 2 the cause was not discovered. Twelve infants with septicaemia and 3 with pyaemia were under a fortnight old when the condition was diagnosed. This the authors explain by the more acute and sudden onset of septicaemia, and by the lower resistance of the newborn to sepsis. Four of the children were premature; in only one case was there a history of difficult labour, and the normal birth-weight. The present symptoms of neonatal sepsis include loss of appetite, vomiting, loss of weight, and nervous disorders. In septicaemia, anaemia is not a marked feature, but in pyaemia, when suppurating foci are present, it may be severe. In septicaemia the osmotic resistance of the erythrocytes is raised; in the phase of remission it is lowered, and the haemoglobin value falls, as does the erythrocyte count. This explains the absence of anaemia in the patients admitted to the clinic: they were in an early phase of the disease and anaemia only developed later.

In both forms of sepsis, neutrophilia, with a shift to the left, was observed. In septicæmia, eosinophils were often absent; in pyæmia, always. As toxæmia appeared the eosinophils were often absent; in pyæmia, always. As toxæmia disappeared the eosinophils returned, and in the stage of recovery the eosinophil count reached 6 to 10%. Of the 30 children with generalized sepsis, 6 had an acute hæmatogenous osteomyelitis, which may be regarded as a local manifestation of a general septiopyæmia. In 4 of these cases the bone infection originated from a pyoderma. Radiographic evidence of osteomyelitis was obtainable only at a late stage of the disease, when destructive lesions had already formed. Osteomyelitis in young infants was usually situated in the region of the epiphyses. In the acute phase of septicæmia, pneumographic records show irregular breathing with a long pause between expiration and inspiration. In pyæmia, this was observed only in 2 children with the very grave toxæmia.

L. Firman-Edwards

Abstracts of World Medicine. Vol. 7, 1950.

In both forms of sepsis, neutrophilia, with a shift to the left, was observed. In septicæmia, eosinophils were often absent; in pyæmia, always. As toxæmia appeared the eosinophils were often absent; in pyæmia, always. As toxæmia disappeared the eosinophils returned, and in the stage of recovery the eosinophil count reached 6 to 10%. Of the 30 children with generalized sepsis, 6 had an acute hæmatogenous osteomyelitis, which may be regarded as a local manifestation of a general septiopyæmia. In 4 of these cases the bone infection originated from a pyoderma. Radiographic evidence of osteomyelitis was obtainable only at a late stage of the disease, when destructive lesions had already formed. Osteomyelitis in young infants was usually situated in the region of the epiphyses.

In the acute phase of septicæmia, pneumographic records show irregular breathing with a long pause between expiration and inspiration. In pyæmia, this was observed only in 2 children with the very grave toxæmia.

L. Firman-Edwards

Abstracts of World Medicine. Vol. 7, 1950.

RAKHMELEVICH, Ye. M.

RAKHMELEVICH, Ye.M.; CHULKOVA, H.S.

Effect of determined muscular work on the modification of carbon anhydrase as a method of functional diagnosis in disorders of the respiratory and hemopoietic systems. Klin.med. Moskva 28 no.5:74-83 May 50. (CLML 19:4)

1. Of the Biochemical Laboratory (Head -- Ye.M.Rakhmalevich) of the Scientific-Research Institute for the Certification of Working Capacity and Organization of Work of Invalids, Moscow.

SKOLOVA, Ye.I. [deceased]; BRAYNZAROVA, G.T.; BACHANOVA, N.S.;  
ZHUKHAREVA, V.I.; ZAKUMBAYEV, A.K.; ISAYEVA, M.G.;  
IMAMBAYEVA, U.A.; KRIVOSHEYEV, Yu.O.; KUDAYEBEGOV,  
Zh.D.; RAKHMETCHIN, S.; TYUTYUKOV, F.M.; SHIM, P.S.;  
LAZARENKO, Ye.I.; GARANKINA, A.I.; D'YACHENKO, R.;  
PETUKHOV, R.M., kand. tekhn. nauk, nauchn. red.;  
SHUPOVA, M.A., red.; LEVIN, M.L., red.; ROROKINA, Z.P.,  
tekhn. red.

[Food industry of Kazakhstan] Pishchevaia promyshlennost'  
Kazakhstana. Alma-Ata, Izd-vo AN KazSSR, 1963. 172 p.

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut eko-  
nomiki.

(Kazakhstan--Food industry)

WASHINGTON, D.C.

Fertilization in cross-breeding of soft and hard wheat.  
Veget. in Kazakh. SSK 19 no. 1: 76-88. 1963. (MIRA 1716)

GRACHEV, V.A., inzh.; RASKIN, G.I.; RAKHMILEVICH, A.A., inzh.

Narrow-gauge TGU-0 diesel locomotives. Torf. prom. 39 no.7:  
11-15 '62. (MIRA 16:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut torfyanoy promyshlennosti (for Grachev, Raskin). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta Ministerstva putey soobshcheniya (for Rakhmievich).  
(Diesel locomotives)  
(Railroads, Industrial)

AKHMILEVICH, A.G.

Problem of the measurement of hearing adaption in occupational selection for noisy plants. Vest.otorin. 24 no.6: 25-28 N-D'62. (MIRA 16:7)

1. Iz mediko-sanitarnoy chasti no.21 zavoda "Serp i molot" i klinicheskogo otdela Instituta gigiyeny imeni F.F.Erismana (nauchnyy rukovoditel' - prof. Ya.S.Temkin), Moskva. (OCCUPATIONAL DISEASES) (AUDIOMETRY) (NOISE—PHYSIOLOGICAL EFFECT)

1. Program of research, 1961, 1962, 1963.

2. "The organ of hearing; clinical aspects and prevention of congenital hearing disorders. Study of organ disease, clinical and prophylactic professional instructions." Leningrad, Meditsina, 1961, 100 p. (1961, 1962)

RAKHMILEVICH, A.G.

Improve the control of industrial noises. Metallurg 8 no.5:  
35-36 My '63. (MIRA 16:7)

1. Mediko-sanitarnaya chast' zavoda "Serp i molot".  
(Noise control)  
(Iron and steel workers--Diseases and hygiene)

Rakhmilevich, A.G.

Characteristics of industrial noise according to audiograms  
obtained under its masking effect. Zhur.ush. nos. i gorl. bol.  
23 no.2:27-31 Mr-Ap'63. (MIRA 16:8)

1. Iz meditsinskoy sanitarnoy chasti zavoda "Serp i Molot" i  
klinicheskogo otdela instituta gigiyeny imeni F.F.Erismana  
(nauchnyy rukovoditel' - prof.Ya.S.Temkin), Moskva.  
(NOISE—MEASUREMENT) (AUDIOMETRY)

RAKHM. EVACH, I.S.

Comparative characteristics of the irritating effect of alternating and direct pulsating current of various frequencies. Trudy SMI 16:290-297-163. (MIRA 18:1)

Effect of the interelectrode distance and the range multiplier of the circuit on the threshold voltage of alternating current of various frequencies. Ibid. 298-305

1. Iz kafedry normal'noy fiziologii (zav. - prof. Ya.A.Milyagin) Smolenskogo gosudarstvennogo meditsinskogo instituta.

RAKHMILEVICH, L.S.

Thresholds of nerve stimulation with alternating and pulsating  
direct current of different frequency in electrotonus. *Fiziol.*  
*zhur.* 47 no.2:253-257 F '61. (MIRA 14:5)

1. From the Normal Physiology Chair of the Medical Institute,  
Smolensk.

(ELECTROPHYSIOLOGY)

(NERVOUS SYSTEM)

РАБОТА И. П. ... (The name of the author, Dr. ...)

... portable device for the registration of muscle power  
and work. Ортоп., травм. і протез. 26 №9/74, 76 - 8 165.  
(MIRA 1974)

1. In laboratory normal'roy fizicheskii (inst. - prof. Ye. P.  
Belyanin) Sverdlovskogo meditsinskogo instituta imeni A. M.  
G. M. (Chernikov).

3.

AMERICAN, L. S. "The... of...  
... ..  
... ..

So: ... ..

RAKIMILEVICH, A.G.

Characteristics of occupational deafness in the case of combined effect of vibration and noise on the ear. Uch. zap. Mosk.nauch.-issl. inst.san. i gig. no.7:104-106 '60. (MIRA 15:2)

1. Medsanchast' zavoda "Serp i Molot".  
(DEAFNESS) (NOISE...PHYSIOLOGICAL EFFECT)  
(VIBRATION...PHYSIOLOGICAL EFFECT)

RAKHMLEVICH, A.G.

Adaptation and fatigue of the ear in occupational deafness. Uch.  
zap. Mosk.nauch.-issl.inst.san. i gig. no.7:107-110 '60.

(MIRA 15:2)

1. Medsanchast' zavoda "Serp i Molot".  
(DEAFNESS)

RAKHMILEVICH, A.G.

Reaction of the auditory organ to high-frequency noise in hot shop conditions. Zhur. ush., nos. i gorl. bol. 20 no.6:62-65  
№D '60. (MIRA 15:2)

1. Iz klinicheskogo otdela (zav. - kand.med.nauk V.S.Luk'yanov)  
Instituta gigiyeny i sanitarii imeni F.F.Erismana.  
(NOISE...PHYSIOLOGICAL EFFECT) (HEARING)

IVANOV, Yu.M.; KUZNIK, B.I.; RAKHMILEVICH, L.S.

Effect of penicillin on the coagulability of blood. Sov.med.  
19 no.6:35-38 Ja '55. (MLRA 8:9)

1. Iz kafedry normal'noy fiziologii (zav.-prof.Ye. S.Ivanitskiy-Vasilenko) Saratovskogo meditsinskogo instituta.  
(PENICILLIN, effects,  
on blood coagulation)  
(BLOOD COAGULATION, effect of drugs on,  
penicillin)

14(6)

SOV/112-59-1-494

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1, p 64 (USSR)

AUTHOR: Rakhmilevich, D. S., and Svintsov, F. F.

TITLE: Experience With Using Hydraulic Hoists for Operating Gates at Hydraulic Structures

PERIODICAL: V sb.: Energ. str-vo. Vol 2, M.-L., 1958, pp 46-55

ABSTRACT: Bibliographic entry.

Card 1/1

MAKAROV, P.O., KHSAREVA, Ye.P., RAKHMILEVICH, L.S., PROFIMOV, I.G..

Nikolai Aleksandrovich Iudenich: . . . obituary. Fiziol.zhur. no.6:606  
Ja '58 (MIRA 11:7)

(IUDENICH, NIKOLAI ALEKSANDROVICH, 1900-1958)

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71106

Author : Rakhmilevich, L.S. *Class. Number: Duppel, 500.001.01.01*

Title : Interoceptive Influence on the Absolute Refractory Phase of the Neuro-Muscular Apparatus.

Orig Pub : Tr. Vses. s-va, fiziol. biokhim. i farmak., 1956, 3, 63-68

Abstract : In frogs with an intact central nervous system, the absolute refractory phase of the sciatic nerve (which was evaluated by the smallest interval summation, shown on the kymogram, due to the supermaximal contraction of the calf muscle) on inflation of the bladder and intestines by air, forced thru the cloaca, either showed change (40 observations), increased (27), or decreased (19); in frogs with the hemispheres and visual mounds removed, the refractory phase did not change in 65 observations, increased in 16 and decreased in 8.

Card 1/1

- 78 -

RAKIMULOV, A.M.

Use of Strion B in the central chemical laboratory of the  
"Skopinatsvetmet" plant. Zav.lab. 30 no.4:507-508 '64.

(MIRA 17:4)

1. Skopinskiy zavod po obrabotke tsvetnykh metallov.

RAKHILEVICH, N.M.

Complexometric determination of calcium in calcium molybdate.  
Zar.lab. 26 no.6:717 '60. (MIRA 13:7)

1. Skopinskaya obogatitel'naya fabrika.  
(Calcium--Analysis) (Calcium molybdate)

*Handwritten:* H... RZ

СЕРГЕЕВ, В.А., РАКШИЛЕВИЧ, Р.З.

Pneumatic wedge block. Trudy TSIMNefti no.1:39-47 '54. (MERS 10:9)  
(Oil well drilling--Equipment and supplies) (Pneumatic machinery)

AID P - 1340

Subject : USSR/Engineering  
Card 1/1 Pub. 78 - 3/30  
Author : Biryukov, V. A. and Rakhmievich, R. Z.  
Title : Experimental use of a pneumatic wedge clamp in the oil field  
Periodical : Neft. khoz., v.32, #12, 9-13, D 1954  
Abstract : A pneumatic wedge clamp of the PKZ type is outlined and its efficiency during drilling operation is analysed. Results are presented in four tables. One Russian reference is given in footnote. (1954)  
Institution: None  
Submitted : No date

RAKHILEVICH, N. S.

Rakhilevich, N. S. — "A New Method of Cleaning the Tubes of Cracking-Furnaces Free of Coke by a Percussion-Action Pneumatic Instrument." Min Higher Education USSR, Moscow Order of Labor Red Banner Petroleum Institute Academician I. A. Gubkin, Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 24, 11 June 1955, Moscow, Pages 91-104

AID P - 2744

Subject : USSR/Engineering

Card 1/1 Pub. 78 - 14/22

Authors : Rakhmievich, R. Z. and Kul'pin, G. I.

Title : To improve the quality of coke-cleaning hammer heads

Periodical : Neft. khoz., 33, 7, 67-71, J1 1955

Abstract : These pneumatically-driven centrifugal hammer heads are used to clean the pipes of oil-distilling cracking installations from coke deposits. The author describes the present types of hammer heads produced in Soviet plants and presents a new design of such hammer head and a manufacture procedure to improve its quality. Tables, photos, diagram.

Institution : Some Soviet plants manufacturing hammer heads are mentioned.

Submitted : No date

RAKHMILEVICH, R.G.

What is delaying mechanization of maintenance operations in petroleum refineries? Neftianik 1 no.8:7-10 Ag '56. (MLRA 9:11)

1. Starshiy nauchnyy sotrudnik Giproneftemasha.  
(Petroleum--Refining)

RAKHMILEVICH, R.Z.

Selecting basic parameters and arrangements for air heaters used  
with pipe furnaces. Energ. biul. no.8:10-18 Ag '57. (MLRA 10:8)  
(Furnaces)

92-2-23/37

AUTHOR: Rakhmievich, R.Z., Engineer

TITLE: Pneumatic Winch for Petroleum-processing Units  
(Pneumaticheskaya lebedka dlya neftepererabatyvayushchikh ustanovok)

PERIODICAL: Neftyanik, 1958, Nr 2, p 25 (USSR)

ABSTRACT: The State Design and Scientific Research Institute for petroleum Machinery has devised a portable PL-200 type winch, which has been successfully tested under operating conditions. This winch weighs 36 kg. and can be carried by a handle and moved manually from one place to another. At the processing unit the winch is placed on a special slab to which it is attached by bolts. Its characteristics are: capacity 200 kg., size 575 x 590 x 260 mm., compressed air operating pressure 4.5-6 atm., consumption of compressed air 2 cu. m. per minute, and lifting speed rate 9-14 m. per minute. This winch is being successfully used at the Saratov Cracking Plant im. Kirov. In 1957 the Novo-Cherkassk Mechanical Plant started series production of PL-200 winches. There is one photo of the PL-200 type winch.

ASSOCIATION: Giproneftemash (State Design and Scientific Research Institute for Petroleum Machinery)

AVAILABLE: Library of Congress

Card 1/1

AUTHOR: Rakhmilevich, R.Z. BY-90-58-8-8/8

TITLE: The Effectiveness of Smoke-stack Air-Heaters (Ob effektivnosti vozdukhopodogrevateley na dymovoy trube)

PERIODICAL: Energeticheskiy byulleten', 1958, Nr 8, pp 24 - 26 (USSR)

ABSTRACT: By this system, the air to be heated is sucked in between an outer casing and the smoke stack cylinder. It is heated by the rising flue gases inside the smoke-stack and sucked out by a fan near the bottom of the stack. With flue gases at 450-500°, the air is heated by 80-100°. The low heat utilization is due to the low heat exchange factor. Attempts to increase the heating surface area or increase the flue gas speed by installing a fan have proved impracticable. The difficulties connected with using the smoke-stack air-heater as a preheater only are discussed and the method is

Card 1/2

The Effectiveness of Smoke-stack Air-Heaters

SCW-86-56-8-8/9

not recommended. The system of smoke-stack air-heating has very limited application and can be recommended only in those cases where it is impossible to install other types of air-heater. There are 2 diagrams, 1 table and 2 Soviet references.

Card 2/2

1. Air heaters--Effectiveness 2. Air--Heating--Methods

AUTHOR: Rakhmilevich, R.Z. SOV-90-56-9-7/8

TITLE: The Choice of the Constructional Design and Operating Conditions for Exhaust Gas Utilizing Boilers After Pipe Furnaces in Technological Installations (Vybor konstruktivnoy skhemy i usloviy raboty kotlov-utilizatorov za teploiznyimi pechami tekhnologicheskikh ustanovok)

PERIODICAL: Energeticheskii byulleten', 1958, Nr 9, pp 26-27 (USSR)

ABSTRACT: For utilizing the exhaust gases from pipe furnaces in oil refineries, different types of boilers and apparatus may be used according to the operating conditions. Air-heaters are to be preferred and such an apparatus with carbon steel pipes can be used for exhaust gases with temperatures up to 300°C. At temperatures above this point, heat-salvaging boilers should be used. For producing steam at 12 atm and with exhaust gas at the rate of 40,000 cu m/hr, coil type salvaging boilers with multiple water and steam-water mixture circulation are most suitable. Water economizers, giving an additional cooling of the gases by 25-30°C, can be used with the boilers, when sulfurous fuel is being burnt.

Card 1/2

SOV-90-58-9-7/8  
The Choice of the Constructional Design and Operating Conditions for Exhaust Gas Utilizing Boilers After Pipe Furnaces in Technological Installations

in the furnaces. Here the water supply must have a temperature not lower than  $140^{\circ}$ . When the exhaust gas temperature is initially over  $500^{\circ}\text{C}$ , one utilizing boiler may be used, or an arrangement of a boiler to drop the exhaust gas temperature to  $400^{\circ}$  followed by an air heater. This is more efficient but introduces considerable technical complexities. The technical characteristics of some KUP utilizing boilers are listed for comparison. There are 3 graphs, 3 tables, 2 diagrams and 6 Soviet references.

1. Oil Industry--USSR 2. Exhaust gases--Applications 3. Boilers  
--Design

Card 2/2

RAKHMILEVICH, R.Z., kand. tekhn. nauk

Investigating the operation of a pilot blast heater for the  
tubular furnaces of petroleum refining units. Khim. mash. no.4:  
22-24 J1-Ag '59. (MIRA 12:12)  
(Petroleum--Refining) (Furnaces)

RAKHMILEVICH, H.Z., ~~and~~.tekh.nauk

Air heater operating on exhaust gases obtained from burning sulphur-bearing fuel oil. Izv.vys.ucheb.zav.; energ. 3 no.4:82-90  
Ap '60. (MIRA 13:6)

1. Giproneftemsh.  
(Petroleum--Refineries--Equipment and supplies)

RAKHMILEVICH, R.Z.

Means of reducing the weight of heat exchangers used in industrial processes. Khim.i tekhnol.i masel 5 no.7:55-58 JI '60.  
(MIRA 13:7)

1. Giproneftemash.  
(Heat exchangers)

RAKHMILEVICH, R.Z.

Conference on the introduction of new apparatus and equipment in  
petroleum units under construction and reconstruction. Khim. i tekhn.  
topl. i masl. 6 no.10:71-72 0 '61. (MIRA 14:11)  
(Petroleum refineries—Equipment and supplies)

RAKHMILEVICH, P. I. kand. tekhn. nauk

Unification and improvement of shell-and-tube heat exchangers. Khim.  
mashtrostr. no. 3435-39 My-Je '64. (MIRA 18:1)

RAKHMILEVICH, Z.Z.; ROTTE, A.E.

Testing an 8GK gas-engine compressor. Mash. i nef. otor.  
no.6:17-21 '64. (MIRA 18:2)

1. Orgmontazhenergoguz.

РАБОТЫ, В.Д.: ... А.Б. ...

Increasing the power of gas-motor compressors under conditions of  
excitation. Mash. i neft. obr. ts. 5:32-35 '65.

(MIRA 13:6)

D. Trest "Promenergo"; Vsesoyuznyy nauchnyy inzhenerno-eksperimental'nyy  
institut, Moskva, i Neftekhimskiy naftoparagatnyy zavod.

RAKHMELEVICH, E.Z.; REYTS, A.B.

Simplified graphs showing the capacity of 10GK gas-motor compressors.  
Gaz. prom. 10 no.8:39-41 '65. (MIRA 18:9)

RAKHILEVICH, Z.Z.

Improving the performance of piston compressors by replacing  
ring valves by uniflow valves. Mash. i neft. obor. no. 11:  
25-29 '65. (MIRA 18:12)

1. Trest "Promenargo".